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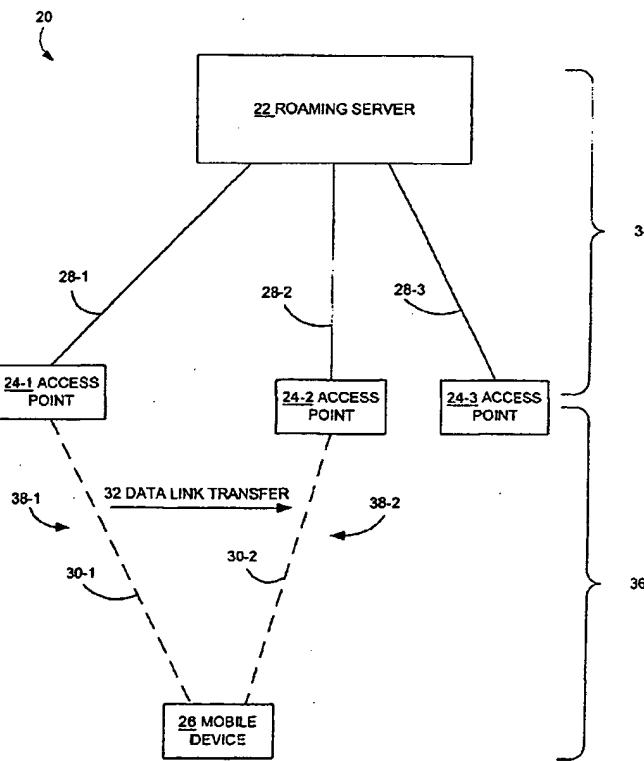
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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(54) Title: METHOD AND SYSTEM FOR ENABLING CENTRALIZED CONTROL OF WIRELESS LOCAL AREA NETWORKS



(57) **Abstract:** A wireless local area network (WLAN) (36) includes mobile devices (26) that are allowed to transfer wireless connections between WLAN subnets or channels having different access points (24). The access points connect to a central controller or roaming server (22) that supports seamless hand-offs of mobile devices from one access point to another access point. The roaming server supports the reassessments of session data parameters from one access point to another (e.g., access point address spoofing) so that the mobile device can use the same parameters for communicating to a new access point. The roaming server also supports the seamless handoff of a mobile device from one access point to another by using a master-slave switch technique across two piconets. The roaming server also facilitates the control of access points by establishing a host controller interface and wireless protocol stack in the roaming server then encapsulates host controller commands in a packet based network protocol used for communication between the roaming server and the access points.

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 01/51306A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/28 H04L12/56 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 901 144 A (AOYAMA KENICHI ET AL) 4 May 1999 (1999-05-04) column 1, line 4 -column 3, line 47 column 9, line 56 -column 10, line 27	1-23
A		24, 27, 30, 31, 34, 37-39
X	EP 0 964 599 A (LUCENT TECHNOLOGIES INC) 15 December 1999 (1999-12-15) abstract page 2, paragraph 1 -page 4, paragraph 23 page 7, paragraph 73 claims 1, 2	1-23
A		24, 27, 30, 31, 34, 37-39
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search	Date of mailing of the International search report
21 November 2002	03/12/2002
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer Vaskimo, K

## INTERNATIONAL SEARCH REPORT

International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Category	Relevant to claim No.
X	US 6 038 458 A (SIIRA MIKKO) 14 March 2000 (2000-03-14) column 1, line 6 -column 3, line 19 column 3, line 66 -column 5, line 29	1-23
A		24, 27, 30, 31, 34, 37-39
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A	MICHEL MOULY, MARIE-BERNADETTE PAUTET: "GSM - The System for Mobile Communications" 2 September 1993 (1993-09-02) , MICHEL MOULY, MARIE-BERNADETTE PAUTET , PALAISEAU, FRANCE XP002221665 200240 page 327 -page 330	1-23
A	ANON: "Bluesocket Secures 5M in First-Round Funding from St- Paul Venture Capital and Osborn Capital LLC" BLUESOCKET PRESS RELEASE, 'Online! 6 September 2000 (2000-09-06), pages 1-2, XP002221664 Retrieved from the Internet: <URL: <a href="http://www.bluesocket.com/news/funding.html">http://www.bluesocket.com/news/funding.html</a> > 'retrieved on 2002-11-19! the whole document	24, 27, 30
A	US 6 026 297 A (HAARTSEN JACOBUS CORNELIS) 15 February 2000 (2000-02-15) column 1, line 5 -column 3, line 25 column 3, line 46 -column 4, line 55	24, 27, 30
P, A	JENNIFER BRAY, CHARLES F STURMAN: "Bluetooth - Connect Without Cables" 20 March 2001 (2001-03-20) , PRENTICE HALL PTR , UPPER SADDLE RIVER, NEW JERSEY, USA XP002221666 page 84, paragraph 5.7. -page 86, paragraph 5.8	24, 27, 30
P, A	JENNIFER BRAY, CHARLES F STURMAN: "Bluetooth - Connect Without Cables" 20 March 2001 (2001-03-20) , PRENTICE HALL PTR , UPPER SADDLE RIVER, NEW JERSEY, USA XP002221667 page 115 -page 118	31, 34, 37-39
		-/-

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 01/51306

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 982 662 A (ST MICROELECTRONICS INC) 1 March 2000 (2000-03-01) page 2, paragraph 1 -page 3, paragraph 11 page 8, paragraph 51 _____	31,34, 37-39
A	US 5 423 065 A (PINARD DEBORAH) 6 June 1995 (1995-06-06) abstract column 1, line 7 - line 68 column 2, line 24 - line 27 column 3, line 3 - line 13 _____	31,34, 37-39

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 01/51306

### Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-23

Method and system for performing a seamless handover, where session data is assigned to an initial access point, where a handover is performed, and where the session data is transferred from the initial access point to a target access point.

2. Claims: 24-30

Method and system for performing a seamless handover, where a mobile device is assigned a master role in an initial piconet, where a target access point is assigned a slave role in the initial piconet, and where the mobile device and the target access point perform a master/slave switch.

3. Claims: 31-39

Method and system for performing a seamless handover, where a host controller interface is established, and where host controller commands sent from a host to a mobile device through a set of access access points are encapsulated.

## INTERNATIONAL SEARCH REPORT

National Application No  
PCT/US 01/51306

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